

WEST Search History

DATE: Tuesday, March 04, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L7	L6 and carboxyl\$	19	L7
L6	(proliposom\$ or preliposom\$)	70	L6
L5	l1 and ((424/450)!.CCLS.)	46	L5
L4	liposome\$ same (salicylate)	78	L4
L3	L1 and (proliposom\$ or preliposom\$)	2	L3
L2	L1 and powder\$	114	L2
L1	liposome\$ same (lactic or salicylic)	315	L1

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 4 of 4 returned.**☐ 1. Document ID: US 6331289 B1

L4: Entry 1 of 4

File: USPT

Dec 18, 2001

US-PAT-NO: 6331289

DOCUMENT-IDENTIFIER: US 6331289 B1

TITLE: Targeted diagnostic/therapeutic agents having more than one different vectors

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Olso			NO
Rongved; P.ang.l	Olso			NO
H.o slashed.gset; Anders	Olso			NO
Tolleshaug; Helge	Olso			NO
Cuthbertson; Alan	Olso			NO
Hoff; Lars	Olso			NO
Bryn; Klaus	Olso			NO
Hellebust; Halldis	Olso			NO
Solbakken; Magne	Olso			NO

US-CL-CURRENT: 424/9.52; 424/1.21, 424/450, 424/9.4, 424/9.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Drawn Desc	Image										

☐ 2. Document ID: US 6264917 B1

L4: Entry 2 of 4

File: USPT

Jul 24, 2001

US-PAT-NO: 6264917

DOCUMENT-IDENTIFIER: US 6264917 B1

TITLE: Targeted ultrasound contrast agents

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Oslo			NO
Rongved; P.ang.l	Oslo			NO
L.o slashed.vhaug; Dagfinn	Oslo			NO

US-CL-CURRENT: 424/9.52; 600/458

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC
Draw Desc	Image										

☐ 3. Document ID: US 6261537 B1

L4: Entry 3 of 4

File: USPT

Jul 17, 2001

US-PAT-NO: 6261537

DOCUMENT-IDENTIFIER: US 6261537 B1

TITLE: Diagnostic/therapeutic agents having microbubbles coupled to one or more vectors

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Oslo			NO
Rongved; P.ang.l	Oslo			NO
H.o slashed.gset; Anders	Oslo			NO
Tolleshaug; Helge	Oslo			NO
N.ae butted.vestad; Anne	Oslo			NO
Hellebust; Halldis	Oslo			NO
Hoff; Lars	Oslo			NO
Cuthbertson; Alan	Oslo			NO
L.o slashed.vhaug; Dagfinn	Oslo			NO
Solbakken; Magne	Oslo			NO

US-CL-CURRENT: 424/9.52; 424/1.29, 424/489, 424/9.32, 424/9.4, 424/9.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC
Draw Desc	Image										

☐ 4. Document ID: AU 200216672 A WO 200241871 A2

L4: Entry 4 of 4

File: DWPI

Jun 3, 2002

DERWENT-ACC-NO: 2002-471692

DERWENT-WEEK: 200263

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Liposomal composition useful for the treatment of cancer comprises imexon or its derivative and at least one lipid

INVENTOR: HERSH, E M; LOPEZ-BERESTEIN, G ; REMERS, W A

PRIORITY-DATA: 2000US-0721040 (November 21, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 200216672 A	June 3, 2002		000	A61K009/00
WO 200241871 A2	May 30, 2002	E	107	A61K009/00

INT-CL (IPC) : A61 K 9/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KVMC

[Generate Collection](#)[Print](#)

Terms	Documents
imexon and (lipid\$ or phospholipid\$)	4

Display Format:

-

[Change Format](#)[Previous Page](#)[Next Page](#)

WEST**Search Results - Record(s) 1 through 4 of 4 returned.**☐ 1. Document ID: US 6331289 B1

L6: Entry 1 of 4

File: USPT

Dec 18, 2001

US-PAT-NO: 6331289

DOCUMENT-IDENTIFIER: US 6331289 B1

TITLE: Targeted diagnostic/therapeutic agents having more than one different vectors

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Olso			NO
Rongved; P.ang.l	Olso			NO
H.o slashed.gset; Anders	Olso			NO
Tolleshaug; Helge	Olso			NO
Cuthbertson; Alan	Olso			NO
Hoff; Lars	Olso			NO
Bryn; Klaus	Olso			NO
Hellebust; Halldis	Olso			NO
Solbakken; Magne	Olso			NO

US-CL-CURRENT: 424/9.52; 424/1.21, 424/450, 424/9.4, 424/9.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

☐ 2. Document ID: US 6264917 B1

L6: Entry 2 of 4

File: USPT

Jul 24, 2001

US-PAT-NO: 6264917

DOCUMENT-IDENTIFIER: US 6264917 B1

TITLE: Targeted ultrasound contrast agents

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Oslo			NO
Rongved; P.ang.l	Oslo			NO
L.o slashed.vhaug; Dagfinn	Oslo			NO

US-CL-CURRENT: 424/9.52; 600/458

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C
Draw Desc	Image									

☐ 3. Document ID: US 6261537 B1

L6: Entry 3 of 4

File: USPT

Jul 17, 2001

US-PAT-NO: 6261537

DOCUMENT-IDENTIFIER: US 6261537 B1

TITLE: Diagnostic/therapeutic agents having microbubbles coupled to one or more vectors

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Oslo			NO
Rongved; P.ang.l	Oslo			NO
H.o slashed.gset; Anders	Oslo			NO
Tolleshaug; Helge	Oslo			NO
N.ae butted.vestad; Anne	Oslo			NO
Hellebust; Halldis	Oslo			NO
Hoff; Lars	Oslo			NO
Cuthbertson; Alan	Oslo			NO
L.o slashed.vhaug; Dagfinn	Oslo			NO
Solbakken; Magne	Oslo			NO

US-CL-CURRENT: 424/9.52; 424/1.29, 424/489, 424/9.32, 424/9.4, 424/9.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C
Draw Desc	Image									

☐ 4. Document ID: AU 200216672 A WO 200241871 A2

L6: Entry 4 of 4

File: DWPI

Jun 3, 2002

DERWENT-ACC-NO: 2002-471692

DERWENT-WEEK: 200263

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Liposomal composition useful for the treatment of cancer comprises imexon or its derivative and at least one lipid

INVENTOR: HERSH, E M; LOPEZ-BERESTEIN, G ; REMERS, W A

PRIORITY-DATA: 2000US-0721040 (November 21, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 200216672 A	June 3, 2002		000	A61K009/00
WO 200241871 A2	May 30, 2002	E	107	A61K009/00

INT-CL (IPC) : A61 K 9/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

[Generate Collection](#) [Print](#)

Terms	Documents
imexon and liposome\$	4

Display Format: [Change Format](#)

[Previous Page](#) [Next Page](#)

WEST Search History

DATE: Tuesday, March 04, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L8	cyanoaziridine\$ and liposome\$	1	L8
L7	cyanoaziridine\$ and (micelle\$)	0	L7
L6	imexon and liposome\$	4	L6
L5	imexon same liposome\$	0	L5
L4	imexon and (lipid\$ or phospholipid\$)	4	L4
L3	imexon and (micelle\$)	0	L3
L2	imexon same (micelle\$)	0	L2
L1	imexon same (lipid\$ or phospholipid\$)	1	L1

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 30 of 46 returned.**☐ 1. Document ID: US 6440393 B1

L5: Entry 1 of 46

File: USPT

Aug 27, 2002

US-PAT-NO: 6440393

DOCUMENT-IDENTIFIER: US 6440393 B1

TITLE: Carbon dioxide enhancement of inhalation therapy

DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Waldrep; J. Clifford	The Woodlands	TX		
Knight; J. Vernon	Houston	TX		
Koshkina; Nadezhda	Houston	TX		

US-CL-CURRENT: [424/45](#); [424/1.13](#), [424/1.21](#), [424/450](#), [424/458](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 2. Document ID: US 6406713 B1

L5: Entry 2 of 46

File: USPT

Jun 18, 2002

US-PAT-NO: 6406713

DOCUMENT-IDENTIFIER: US 6406713 B1

TITLE: Methods of preparing low-toxicity drug-lipid complexes

DATE-ISSUED: June 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Janoff; Andrew S.	Yardley	PA		
Madden; Thomas D.	Vancouver			CA
Cullis; Pieter R.	Vancouver			CA
Kearns; John J.	Princeton	NJ		
Durning; Anthony G.	Yardley	PA		

US-CL-CURRENT: [424/450](#); [264/4.1](#), [264/4.3](#), [428/402.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 3. Document ID: US 6395294 B1

L5: Entry 3 of 46

File: USPT

May 28, 2002

US-PAT-NO: 6395294

DOCUMENT-IDENTIFIER: US 6395294 B1

TITLE: Method of visualization of the vitreous during vitrectomy

DATE-ISSUED: May 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Peyman; Gholam A.	New Orleans	LA	70124	

US-CL-CURRENT: 424/427; 424/422, 424/423, 424/450, 424/489, 604/19, 623/4.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 4. Document ID: US 6290987 B1

L5: Entry 4 of 46

File: USPT

Sep 18, 2001

US-PAT-NO: 6290987

DOCUMENT-IDENTIFIER: US 6290987 B1

TITLE: Mixed liposome pharmaceutical formulation with amphiphiles and phospholipids

DATE-ISSUED: September 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Modi; Pankaj	Ancaster			CA

US-CL-CURRENT: 424/450; 424/130.1, 424/184.1, 424/198.1, 424/400, 424/434, 424/45, 424/46, 424/464, 424/725, 514/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 5. Document ID: US 6193997 B1

L5: Entry 5 of 46

File: USPT

Feb 27, 2001

US-PAT-NO: 6193997

DOCUMENT-IDENTIFIER: US 6193997 B1

TITLE: Proteinic drug delivery system using membrane mimetics

DATE-ISSUED: February 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Modi; Pankaj	Ancaster			CA

US-CL-CURRENT: 424/450; 424/130.1, 424/184.1, 424/198.1, 424/400, 424/434, 424/45,
424/464

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C
Draw Desc	Image									

☐ 6. Document ID: US 6183746 B1

L5: Entry 6 of 46

File: USPT

Feb 6, 2001

US-PAT-NO: 6183746

DOCUMENT-IDENTIFIER: US 6183746 B1

TITLE: Immunogenic peptides from the HPV E7 protein

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Urban; Robert G.	Lexington	MA		
Chicz; Roman M.	Belmont	MA		
Collins; Edward J.	Carrboro	NC		
Hedley; Mary Lynne	Lexington	MA		

US-CL-CURRENT: 424/186.1; 424/185.1, 424/199.1, 424/204.1, 424/450, 424/489,
435/235.1, 435/320.1, 435/326, 435/829, 514/44, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C
Draw Desc	Image									

☐ 7. Document ID: US 6168804 B1

L5: Entry 7 of 46

File: USPT

Jan 2, 2001

US-PAT-NO: 6168804

DOCUMENT-IDENTIFIER: US 6168804 B1

TITLE: Method for eliciting Th1-specific immune response

DATE-ISSUED: January 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Samuel; John	Edmonton			CA
Kwon; Glen	Waunakee	WI		

US-CL-CURRENT: 424/450; 424/277.1, 424/282.1, 514/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C
Draw Desc	Image									

☐ 8. Document ID: US 6103259 A

L5: Entry 8 of 46

File: USPT

Aug 15, 2000

US-PAT-NO: 6103259

DOCUMENT-IDENTIFIER: US 6103259 A

TITLE: Process for the preparation of liposomes without the use of an organic solvent

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roux; Didier	Merignac			FR
Degert; Corinne	St. Medard en Jalles			FR
Laversanne; Rene	Pessac			FR

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 424/401, 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 9. Document ID: US 6103246 A

L5: Entry 9 of 46

File: USPT

Aug 15, 2000

US-PAT-NO: 6103246

DOCUMENT-IDENTIFIER: US 6103246 A

TITLE: Creams and lotions containing emu oil

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tisdale; Carrie J.	Lubbock	TX	79416	
Zemtsov; Alexander	Ransom Canyon	TX	79366	

US-CL-CURRENT: 424/401; 424/450, 514/557, 514/844, 514/846, 514/937, 514/938

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 10. Document ID: US 6060080 A

L5: Entry 10 of 46

File: USPT

May 9, 2000

US-PAT-NO: 6060080

DOCUMENT-IDENTIFIER: US 6060080 A

TITLE: Liposomal products

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kikuchi; Hiroshi	Tokyo			JP
Yachi; Kiyoto	Tokyo			JP
Hirota; Sadao	Tokyo			JP

US-CL-CURRENT: 424/450; 264/41, 264/43

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 11. Document ID: US 6013258 A

L5: Entry 11 of 46

File: USPT

Jan 11, 2000

US-PAT-NO: 6013258

DOCUMENT-IDENTIFIER: US 6013258 A

TITLE: Immunogenic peptides from the HPV E7 protein

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Urban; Robert G.	Lexington	MA		
Chicz; Roman M.	Belmont	MA		
Collins; Edward J.	Carrboro	NC		
Hedley; Mary Lynne	Lexington	MA		

US-CL-CURRENT: 424/186.1; 424/185.1, 424/199.1, 424/204.1, 424/450, 424/489,
435/235.1, 435/320.1, 435/326, 436/829, 514/44, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 12. Document ID: US 5980937 A

L5: Entry 12 of 46

File: USPT

Nov 9, 1999

US-PAT-NO: 5980937

DOCUMENT-IDENTIFIER: US 5980937 A

TITLE: Liposomes with enhanced entrapment capacity and their use in imaging

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tournier; Herve	Valleiry			FR
Schneider; Michel	Troinex			CH
Guillot; Christian	Le Chable-Beaumont			FR

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.6, 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 13. Document ID: US 5962018 A

L5: Entry 13 of 46

File: USPT

Oct 5, 1999

US-PAT-NO: 5962018

DOCUMENT-IDENTIFIER: US 5962018 A

TITLE: Method of treating the skin with organic acids in anhydrous microsphere delivery systems

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Curtis; Ernest S.	Milford	PA		
Kalafsky; Robert	Ogdensburg	NJ		
Kaplan; Elinor R.	Paterson	NJ		

US-CL-CURRENT: 424/450; 514/557, 514/574

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 14. Document ID: US 5948441 A

L5: Entry 14 of 46

File: USPT

Sep 7, 1999

US-PAT-NO: 5948441

DOCUMENT-IDENTIFIER: US 5948441 A

TITLE: Method for size separation of particles

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lenk; Robert P.	Lambertville	NJ		
Durning; Anthony G.	Yardley	PA		
Klimchak; Robert J.	Flemington	NJ		
Portnoff; Joel	Richboro	PA		
Tomsho; Michelle L.	Levittown	PA		

US-CL-CURRENT: 424/489; 264/4.1, 264/4.3, 424/450, 424/502, 428/402.2, 436/829, 514/78

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 15. Document ID: US 5895661 A

L5: Entry 15 of 46

File: USPT

Apr 20, 1999

US-PAT-NO: 5895661

DOCUMENT-IDENTIFIER: US 5895661 A

TITLE: Liposome vesicle precursors

DATE-ISSUED: April 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tournier; Herve	Valleiry			FR
Schneider; Michel	Troinex			FR
Guillot; Christian	Le Chable-Beaumont			FR

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.6, 428/402.2, 514/945

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw. Desc	Image									

☐ 16. Document ID: US 5853753 A

L5: Entry 16 of 46

File: USPT

Dec 29, 1998

US-PAT-NO: 5853753

DOCUMENT-IDENTIFIER: US 5853753 A

TITLE: Liposomes, method of preparing the same and use thereof in the preparation of drugs

DATE-ISSUED: December 29, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maierhofer; Gunther	Munich			DE
Hofer; Paul	Dietersheim			DE
Rottmann; Oswald	Freising			DE

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw. Desc	Image									

☐ 17. Document ID: US 5846516 A

L5: Entry 17 of 46

File: USPT

Dec 8, 1998

US-PAT-NO: 5846516

DOCUMENT-IDENTIFIER: US 5846516 A

TITLE: Perfluoroalkylated amphiphilic phosphorus compounds: preparation and biomedical applications

DATE-ISSUED: December 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Riess; Jean G.	Nice			FR
Greiner; Jacques	Nice			FR
Milius; Alain	Nice			FR
Vierling; Pierre	Nice			FR
Guillod; Frederic	Nice			FR
Gaentzler; Sylvie	Nice			FR

US-CL-CURRENT: 424/9.35; 424/450, 424/9.43, 514/51, 514/78, 514/832, 514/938,
514/975, 516/56, 516/57, 516/907, 516/908, 536/117, 536/17.1, 554/81, 558/186

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 18. Document ID: US 5843476 A

L5: Entry 18 of 46

File: USPT

Dec 1, 1998

US-PAT-NO: 5843476

DOCUMENT-IDENTIFIER: US 5843476 A

TITLE: Slimming composition for topical treatment, containing two types of liposomes, and use thereof

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ribier; Alain	Paris			FR
Simonnet; Jean-Thierry	Paris			FR
Fanchon; Chantal	Paris			FR
Segot; Evelyne	Nogent Sur Marne			FR
Cantin; Herve	Savigny Sur Orge			FR

US-CL-CURRENT: 424/450; 424/401, 514/869, 514/909

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 19. Document ID: US 5843473 A

L5: Entry 19 of 46

File: USPT

Dec 1, 1998

US-PAT-NO: 5843473

DOCUMENT-IDENTIFIER: US 5843473 A

TITLE: Method of treatment of infected tissues

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Woodle; Martin C.	Menlo Park	CA		
Bakker-Woudenberg; Irma A.J.M.	Bergschenhoek			NL
Martin; Francis J.	San Francisco	CA		

US-CL-CURRENT: 424/450; 514/62, 514/78

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 20. Document ID: US 5783210 A

L5: Entry 20 of 46

File: USPT

Jul 21, 1998

US-PAT-NO: 5783210

DOCUMENT-IDENTIFIER: US 5783210 A

TITLE: Phospholipid composition

DATE-ISSUED: July 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tremblay; Paul A.	Hamilton	NJ		
Suddith; Robert L.	Robbinsville	NJ		
Kearns; John J.	Princeton	NJ		

US-CL-CURRENT: 424/450; 424/451

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 21. Document ID: US 5762957 A

L5: Entry 21 of 46

File: USPT

Jun 9, 1998

US-PAT-NO: 5762957

DOCUMENT-IDENTIFIER: US 5762957 A

TITLE: Method for loading lipid like vesicles with drugs of other chemicals

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mehlhorn; Rolf Joachim	Richmond	CA		

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/MC

☐ 22. Document ID: US 5716526 A

L5: Entry 22 of 46

File: USPT

Feb 10, 1998

US-PAT-NO: 5716526

DOCUMENT-IDENTIFIER: US 5716526 A

TITLE: Method of separating materials from liposomes or lipid complexes

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kelemen; Robyne J.	Hamilton Township	NJ		
Durning; Anthony G.	Yardley	PA		

US-CL-CURRENT: 210/650; 210/483, 210/489, 210/490, 210/496, 210/651, 424/450,
436/177, 436/178, 436/829, 530/412, 530/414

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/MC

☐ 23. Document ID: US 5702722 A

L5: Entry 23 of 46

File: USPT

Dec 30, 1997

US-PAT-NO: 5702722

DOCUMENT-IDENTIFIER: US 5702722 A

TITLE: Liposomes with enhanced entrapment capacity, method and use

DATE-ISSUED: December 30, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tournier; Herve	Valleiry			FR
Schneider; Michel	Troinex			CH
Guillot; Christian	Le Chable-Beaumont			FR

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.6, 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/MC

☐ 24. Document ID: US 5679459 A

L5: Entry 24 of 46

File: USPT

Oct 21, 1997

US-PAT-NO: 5679459

DOCUMENT-IDENTIFIER: US 5679459 A

TITLE: Perfluorinated amphiphilic phosphorous compounds: liposomal compositions

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Riess; Jean G.	Nice			FR
Greiner; Jacques	Nice			FR
Milius; Alain	Nice			FR
Vierling; Pierre	Nice			FR
Guillod; Frederic	Nice			FR
Gaentzler; Sylvie	Nice			FR

US-CL-CURRENT: 428/402.2; 424/450, 514/51, 514/975, 516/199, 516/DIG.1, 554/81,
558/186

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC
Draw Desc	Image									

☐ 25. Document ID: US 5679374 A

L5: Entry 25 of 46

File: USPT

Oct 21, 1997

US-PAT-NO: 5679374

DOCUMENT-IDENTIFIER: US 5679374 A

TITLE: Anti-acne composition for the simultaneous treatment of the surface layers and deep layers of the skin, and use thereof

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fanchon; Chantal	Paris			FR
Ribier; Alain	Paris			FR
Simonnet; Jean-Thierry	Paris			FR
Segot; Evelyne	Nogent Sur Marne			FR

US-CL-CURRENT: 424/450; 424/401, 514/846, 514/859

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC
Draw Desc	Image									

☐ 26. Document ID: US 5637316 A

L5: Entry 26 of 46

File: USPT

Jun 10, 1997

US-PAT-NO: 5637316

DOCUMENT-IDENTIFIER: US 5637316 A

TITLE: Slimming composition for topical treatment, containing two types of liposomes, and use thereof

DATE-ISSUED: June 10, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ribier; Alain	Paris			FR
Simonnet; Jean-Thierry	Paris			FR
Fanchon; Chantal	Paris			FR
Segot; Evelyne	Nogent sur Marne			FR
Cantin; Herve	Savigny sur Orge			FR

US-CL-CURRENT: 424/450; 424/401, 514/909

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 27. Document ID: US 5629015 A

L5: Entry 27 of 46

File: USPT

May 13, 1997

US-PAT-NO: 5629015

DOCUMENT-IDENTIFIER: US 5629015 A

TITLE: Composition for combating ageing acting simultaneously on the surface layers and deep layers of the skin and use thereof

DATE-ISSUED: May 13, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ribier; Alain	Paris			FR
Simonnet; Jean-Thierry	Paris			FR
Girerd; Florence	Paris			FR
Gagnebien-Cabanne; Francoise	Chatillon			FR

US-CL-CURRENT: 424/450; 424/401, 514/844

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 28. Document ID: US 5622713 A

L5: Entry 28 of 46

File: USPT

Apr 22, 1997

US-PAT-NO: 5622713

DOCUMENT-IDENTIFIER: US 5622713 A

TITLE: Method of detoxifying animal suffering from overdose

DATE-ISSUED: April 22, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mehlhorn; Rolf J.	Richmond	CA		

US-CL-CURRENT: 424/450; 264/4.3, 428/402.2, 514/812, 514/823

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 29. Document ID: US 5585109 A

L5: Entry 29 of 46

File: USPT

Dec 17, 1996

US-PAT-NO: 5585109

DOCUMENT-IDENTIFIER: US 5585109 A

TITLE: Cosmetic delivery system for salicylic acid and process for preparation of same

DATE-ISSUED: December 17, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hayward; James A.	Port Jefferson	NY	11777	
Goldstein; Mindy S.	Plainview	NY	11803	
Brown; Miriam	Sayville	NY	11782	
Ceccoli; Joseph D.	Farmingville	NY	11768	

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 30. Document ID: US 5569464 A

L5: Entry 30 of 46

File: USPT

Oct 29, 1996

US-PAT-NO: 5569464

DOCUMENT-IDENTIFIER: US 5569464 A

TITLE: Stable aqueous dispersions containing liposomes

DATE-ISSUED: October 29, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Endo; Kenji	Fujisawa			JP
Suzuki; Hidekazu	Kanagawa-ken			JP
Oguma; Touru	Hadano			JP
Goto; Masayoshi	Tokyo			JP

US-CL-CURRENT: 424/450; 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

[Generate Collection](#)[Print](#)

Terms	Documents
11 and ((424/450)!.CCLS.)	46

Display Format:

-

[Change Format](#)[Previous Page](#)[Next Page](#)

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 31 through 46 of 46 returned.**☐ 31. Document ID: US 5429823 A

L5: Entry 31 of 46

File: USPT

Jul 4, 1995

US-PAT-NO: 5429823

DOCUMENT-IDENTIFIER: US 5429823 A

TITLE: Phospholipid composition and liposomes made therefrom

DATE-ISSUED: July 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tremblay; Paul A.	Hamilton	NJ		
Suddith; Robert L.	Robbinsville	NJ		
Kearns; John J.	Princeton	NJ		

US-CL-CURRENT: 424/450; 424/1.21, 428/402.2, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KMC](#)☐ 32. Document ID: US 5376452 A

L5: Entry 32 of 46

File: USPT

Dec 27, 1994

US-PAT-NO: 5376452

DOCUMENT-IDENTIFIER: US 5376452 A

TITLE: Induction of asymmetry in vesicles

DATE-ISSUED: December 27, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hope; Michael J.	Vancouver			CA
Cullis; Pieter R.	Vancouver			CA

US-CL-CURRENT: 428/402.2; 424/450, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KMC](#)☐ 33. Document ID: US 5376380 A

L5: Entry 33 of 46

File: USPT

Dec 27, 1994

US-PAT-NO: 5376380

DOCUMENT-IDENTIFIER: US 5376380 A

TITLE: Method of producing liposomal products from freeze or spray-dried preparations of liposomes

DATE-ISSUED: December 27, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kikuchi; Hiroshi	Tokyo			JP
Yachi; Kiyoto	Tokyo			JP
Morita; Hiromi	Tokyo			JP
Hirota; Sadao	Tokyo			JP

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 34. Document ID: US 5356633 A

L5: Entry 34 of 46

File: USPT

Oct 18, 1994

US-PAT-NO: 5356633

DOCUMENT-IDENTIFIER: US 5356633 A

TITLE: Method of treatment of inflamed tissues

DATE-ISSUED: October 18, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Woodle; Martin C.	Menlo Park	CA		
Martin; Francis J.	San Francisco	CA		
Huang; Shi K.	Castro Valley	CA		

US-CL-CURRENT: 424/450; 424/423, 424/426, 514/863, 514/886

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 35. Document ID: US 5262168 A

L5: Entry 35 of 46

File: USPT

Nov 16, 1993

US-PAT-NO: 5262168

DOCUMENT-IDENTIFIER: US 5262168 A

TITLE: Prostaglandin-lipid formulations

DATE-ISSUED: November 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lenk; Robert P.	Lambertville	NJ		
Tomsho; Michelle L.	Levittown	PA		
Suddith; Robert L.	Robbinsville	NJ		
Klimchak; Robert J.	Flemington	NJ		

US-CL-CURRENT: 424/450; 264/4.3, 264/4.6, 428/402.2, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 36. Document ID: US 5252263 A

L5: Entry 36 of 46

File: USPT

Oct 12, 1993

US-PAT-NO: 5252263

DOCUMENT-IDENTIFIER: US 5252263 A

TITLE: Induction of asymmetry in vesicles

DATE-ISSUED: October 12, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hope; Michael J.	Vancouver			CA
Cullis; Pieter R.	Vancouver			CA

US-CL-CURRENT: 264/4.3; 264/4.1, 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 37. Document ID: US 5213804 A

L5: Entry 37 of 46

File: USPT

May 25, 1993

US-PAT-NO: 5213804

DOCUMENT-IDENTIFIER: US 5213804 A

TITLE: Solid tumor treatment method and composition

DATE-ISSUED: May 25, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Martin; Francis J.	San Francisco	CA		
Woodle; Martin C.	Menlo Park	CA		
Redemann; Carl	Walnut Creek	CA		
Yau-Young; Annie	Palo Alto	CA		

US-CL-CURRENT: 424/450; 424/426, 424/78.31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KVMC

☐ 38. Document ID: US 5204112 A

L5: Entry 38 of 46

File: USPT

Apr 20, 1993

US-PAT-NO: 5204112

DOCUMENT-IDENTIFIER: US 5204112 A

TITLE: Induction of asymmetry in vesicles

DATE-ISSUED: April 20, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hope; Michael J.	Vancouver			CA
Cullis; Pieter R.	Vancouver			CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 428/402.2, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KVMC

☐ 39. Document ID: US 5154930 A

L5: Entry 39 of 46

File: USPT

Oct 13, 1992

US-PAT-NO: 5154930

DOCUMENT-IDENTIFIER: US 5154930 A

TITLE: Pharmacological agent-lipid solution preparation

DATE-ISSUED: October 13, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Popescu; Mircea C.	Plainsboro	NJ		
Tremblay; Paul A.	Hamilton	NJ		
Janoff; Andrew S.	Yardley	PA		
Ostro; Marc J.	Princeton	NJ		
Chan; Elaine	Willow Grove	PA		
Weiner; Alan	Lawrenceville	NJ		

US-CL-CURRENT: 424/1.21; 424/450, 424/452, 424/455, 424/456, 424/489, 424/492,
428/402.2, 436/829, 514/78, 514/885, 514/937

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KVMC

☐ 40. Document ID: US 5082664 A

L5: Entry 40 of 46

File: USPT

Jan 21, 1992

US-PAT-NO: 5082664

DOCUMENT-IDENTIFIER: US 5082664 A

TITLE: Prostaglandin-lipid formulations

DATE-ISSUED: January 21, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lenk; Robert P.	Lambertville	NJ		
Tomsho; Michelle L.	Levittown	PA		
Suddith; Robert L.	Robbinsville	NJ		
Klimchak; Robert J.	Flemington	NJ		

US-CL-CURRENT: 424/450; 264/4.3, 428/402.2, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KVMC

☐ 41. Document ID: US 5049392 A

L5: Entry 41 of 46

File: USPT

Sep 17, 1991

US-PAT-NO: 5049392

DOCUMENT-IDENTIFIER: US 5049392 A

TITLE: Osmotically dependent vesicles

DATE-ISSUED: September 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weiner; Alan L.	Lawrenceville	NJ		
Fielder; Frank G.	East Windsor	NJ		

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 424/193.1, 424/812, 436/829, 514/885

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KVMC

☐ 42. Document ID: US 4981690 A

L5: Entry 42 of 46

File: USPT

Jan 1, 1991

US-PAT-NO: 4981690

DOCUMENT-IDENTIFIER: US 4981690 A

TITLE: Liposome-incorporated mepartricin

DATE-ISSUED: January 1, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lopez-Berestein; Gabriel	Houston	TX		
Mehta; Reeta	Houston	TX		
Hopfer; Roy L.	Houston	TX		
Juliano; Rudolph L.	Chapel Hill	NC		

US-CL-CURRENT: [424/422](#); [424/426](#), [424/450](#), [428/402.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 43. Document ID: US 4830857 A

L5: Entry 43 of 46

File: USPT

May 16, 1989

US-PAT-NO: 4830857

DOCUMENT-IDENTIFIER: US 4830857 A

TITLE: Cosmetic and pharmaceutical compositions containing niosomes and a water-soluble polyamide, and a process for preparing these compositions

DATE-ISSUED: May 16, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Handjani; Rose M.	Paris			FR
Ribier; Alain	Paris			FR
Vanlerberghe; Guy	Villevaude			FR
Zabotto; Arlette	Paris			FR
Griat; Jacqueline	Ablon			FR

US-CL-CURRENT: [424/450](#); [264/4.1](#), [264/4.6](#), [424/417](#), [428/402.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 44. Document ID: US 4812312 A

L5: Entry 44 of 46

File: USPT

Mar 14, 1989

US-PAT-NO: 4812312

DOCUMENT-IDENTIFIER: US 4812312 A

TITLE: Liposome-incorporated nystatin

DATE-ISSUED: March 14, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
López-Berestein; Gabriel	Houston	TX		
Mehta; Reeta	Houston	TX		
Hopfer; Roy L.	Houston	TX		
Juliano; Rudolph L.	Houston	TX		

US-CL-CURRENT: [424/417](#); [264/4.1](#), [264/4.3](#), [264/4.6](#), [424/450](#), [428/402.2](#), [514/31](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 45. Document ID: US 4708861 A

L5: Entry 45 of 46

File: USPT

Nov 24, 1987

US-PAT-NO: 4708861

DOCUMENT-IDENTIFIER: US 4708861 A

TITLE: Liposome-gel compositions

DATE-ISSUED: November 24, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Popescu; Mircea C.	Plainsboro	NJ		
Weiner; Alan L.	Plainsboro	NJ		
Carpenter-Green; Sharon S.	East Windsor	NJ		

US-CL-CURRENT: [424/1.21](#); [264/4.1](#), [264/4.32](#), [424/1.25](#), [424/450](#), [424/457](#), [424/458](#), [424/460](#), [424/462](#), [424/484](#), [428/402.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 46. Document ID: US 4247411 A

L5: Entry 46 of 46

File: USPT

Jan 27, 1981

US-PAT-NO: 4247411

DOCUMENT-IDENTIFIER: US 4247411 A

TITLE: Storage stability of aqueous dispersions of spherules

DATE-ISSUED: January 27, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vanlerberghe; Guy	Commune de Villevaude			FR
Handjani; Rose-Marie J.	Paris			FR

US-CL-CURRENT: [264/4.6](#); [424/193.1](#), [424/283.1](#), [424/450](#), [424/491](#), [424/498](#), [424/59](#), [424/62](#), [424/65](#), [424/812](#), [424/94.3](#), [514/773](#), [514/784](#), [514/788](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KMC

[Generate Collection](#)[Print](#)

Terms	Documents
11 and ((424/450)!.CCLS.)	46

Display Format:

-

[Change Format](#)[Previous Page](#)[Next Page](#)

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 19 of 19 returned.**☐ 1. Document ID: US 6451593 B1

L7: Entry 1 of 19

File: USPT

Sep 17, 2002

US-PAT-NO: 6451593

DOCUMENT-IDENTIFIER: US 6451593 B1

TITLE: Design principle for construction of expression constructs for gene therapy

DATE-ISSUED: September 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wittig; Burghardt	Berlin			DE
Junghans; Claas	Berlin			DE

US-CL-CURRENT: [435/320.1](#); [435/325](#), [435/455](#), [435/69.1](#), [514/44](#), [536/23.1](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KPMC
Draw Desc	Image									

☐ 2. Document ID: US 6319510 B1

L7: Entry 2 of 19

File: USPT

Nov 20, 2001

US-PAT-NO: 6319510

DOCUMENT-IDENTIFIER: US 6319510 B1

TITLE: Gum pad for delivery of medication to mucosal tissues

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yates; Alayne	Honolulu	HI	96822	

US-CL-CURRENT: [424/404](#); [424/402](#), [424/426](#), [424/443](#), [424/448](#), [424/449](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KPMC
Draw Desc	Image									

☐ 3. Document ID: US 6319508 B1

L7: Entry 3 of 19

File: USPT

Nov 20, 2001

US-PAT-NO: 6319508

DOCUMENT-IDENTIFIER: US 6319508 B1

TITLE: Anhydrous cosmetic composition containing a fatty phase and pro-liposomes

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ribier; Alain	Paris			FR
Simmonet; Jean-Thierry	Paris			FR
Miguel; Dolores	Bourg la Reine			FR

US-CL-CURRENT: 424/401; 424/450, 424/59, 424/64, 424/70.7, 514/772, 514/785, 514/787, 514/844

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 4. Document ID: US 6200597 B1

L7: Entry 4 of 19

File: USPT

Mar 13, 2001

US-PAT-NO: 6200597

DOCUMENT-IDENTIFIER: US 6200597 B1

TITLE: Formulation and use of carotenoids in treatment of cancer

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mehta; Kapil	Houston	TX		
Perez-Soler; Roman	Houston	TX		
Lopez-Berestein; Gabriel	Houston	TX		
Lenk; Robert	Willis	TX		
Hayman; Alan C.	late of The Woodlands	TX		

US-CL-CURRENT: 424/450; 514/725

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 5. Document ID: US 6171614 B1

L7: Entry 5 of 19

File: USPT

Jan 9, 2001

US-PAT-NO: 6171614

DOCUMENT-IDENTIFIER: US 6171614 B1

TITLE: Synthesis of glycopospholipid and peptide-phospholipid conjugates and uses thereof

DATE-ISSUED: January 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chaikof; Elliot L.	Donwoody	GA		
Sun; Lijun	Marietta	GA		

US-CL-CURRENT: 424/450; 424/1.21, 424/417, 424/9.321, 424/9.51, 424/94.3, 428/402.2,
514/2, 514/21, 514/23, 514/53, 514/54, 514/8, 530/402, 530/810, 536/120, 536/26.1,
554/79

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 6. Document ID: US 6071532 A

L7: Entry 6 of 19

File: USPT

Jun 6, 2000

US-PAT-NO: 6071532

DOCUMENT-IDENTIFIER: US 6071532 A

TITLE: Synthesis of glycopospholipid and peptide-phospholipid conjugates and uses thereof

DATE-ISSUED: June 6, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chaikof; Elliot L.	Donwoody	GA		
Sun; Lijun	Marietta	GA		

US-CL-CURRENT: 424/450; 436/829, 514/2, 514/21, 514/23, 514/53, 514/54, 514/8,
530/402, 530/810, 536/120, 536/26.1, 554/79

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 7. Document ID: US 5902604 A

L7: Entry 7 of 19

File: USPT

May 11, 1999

US-PAT-NO: 5902604

DOCUMENT-IDENTIFIER: US 5902604 A

TITLE: Submicron liposome suspensions obtained from preliposome lyophilizates

DATE-ISSUED: May 11, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zou; Yiyu	Houston	TX		
Priebe; Waldemar	Houston	TX		
Perez-Soler; Roman	Houston	TX		

US-CL-CURRENT: 424/450; 264/4.1, 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

☐ 8. Document ID: US 5843475 A

L7: Entry 8 of 19

File: USPT

Dec 1, 1998

US-PAT-NO: 5843475

DOCUMENT-IDENTIFIER: US 5843475 A

TITLE: Delivery and activation through liposome incorporation of diaminocyclohexane platinum (II) complexes

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Perez-Soler; Roman	Houston	TX		
Khokhar; Abdul R.	Houston	TX		

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

☐ 9. Document ID: US 5811119 A

L7: Entry 9 of 19

File: USPT

Sep 22, 1998

US-PAT-NO: 5811119

DOCUMENT-IDENTIFIER: US 5811119 A

TITLE: Formulation and use of carotenoids in treatment of cancer

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mehta; Kapil	Houston	TX		
Perez-Soler; Roman	Houston	TX		
Lopez-Berestein; Gabriel	Houston	TX		
Lenk; Robert P.	Willis	TX		
Hayman, deceased; Alan C.	late of Houston	TX		

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

☐ 10. Document ID: US 5770738 A

L7: Entry 10 of 19

File: USPT

Jun 23, 1998

US-PAT-NO: 5770738

DOCUMENT-IDENTIFIER: US 5770738 A

TITLE: Esters of bi- and tricyclic amino alcohols, their preparation and their use in pharmaceutical compositions

DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Banholzer; Rolf	Ingelheim am Rhein			DE
Bauer; Rudolf	Ockenheim			DE
Reichl; Richard	Gau-Algesheim			DE

US-CL-CURRENT: 514/304; 546/129, 546/130, 546/131

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 11. Document ID: US 5753262 A

L7: Entry 11 of 19

File: USPT

May 19, 1998

US-PAT-NO: 5753262

DOCUMENT-IDENTIFIER: US 5753262 A

TITLE: Cationic lipid acid salt of 3beta[N- (N', N'-dimethylaminoethane) - carbamoyl]cholesterol and halogenated solvent-free preliposomal lyophilate thereof

DATE-ISSUED: May 19, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wyse; Joseph W.	The Woodlands	TX		
Warner; Charles D.	The Woodlands	TX		

US-CL-CURRENT: 424/450; 435/458, 436/71, 552/545

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 12. Document ID: US 5736156 A

L7: Entry 12 of 19

File: USPT

Apr 7, 1998

US-PAT-NO: 5736156

DOCUMENT-IDENTIFIER: US 5736156 A

TITLE: Liposomal anf micellular stabilization of camptothecin drugs

DATE-ISSUED: April 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burke; Thomas G.	Columbus	OH		

US-CL-CURRENT: 424/450; 514/279, 514/283

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 13. Document ID: US 5716826 A

L7: Entry 13 of 19

File: USPT

Feb 10, 1998

US-PAT-NO: 5716826

DOCUMENT-IDENTIFIER: US 5716826 A

TITLE: Recombinant retroviruses

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gruber; Harry E.	Rancho Santa Fe	CA		
Jolly; Douglas J.	Leucadia	CA		
Respass; James G.	San Diego	CA		
Laikind; Paul K.	San Diego	CA		

US-CL-CURRENT: 435/320.1; 536/23.5, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 14. Document ID: US 5710420 A

L7: Entry 14 of 19

File: USPT

Jan 20, 1998

US-PAT-NO: 5710420

DOCUMENT-IDENTIFIER: US 5710420 A

TITLE: Method for embedding and recovering machine-readable information

DATE-ISSUED: January 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Martin; Trevor I.	Burlington			CA
Oliver; John F.	Calgary			CA

US-CL-CURRENT: 235/487; 235/494

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 15. Document ID: US 5654314 A

L7: Entry 15 of 19

File: USPT

Aug 5, 1997

US-PAT-NO: 5654314

DOCUMENT-IDENTIFIER: US 5654314 A

TITLE: Esters of bi- and tricyclic amino alcohols and their use in pharmaceutical compositions

DATE-ISSUED: August 5, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Banholzer; Rolf	Ingelheim am Rhein			DE
Bauer; Rudolf	Ockenheim			DE
Reichl; Richard	Gau-Algesheim			DE

US-CL-CURRENT: 514/291; 514/278, 514/299, 514/304, 514/412, 546/129, 546/130, 546/18, 546/183, 546/91, 548/512

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KVMC

☐ 16. Document ID: US 5633109 A

L7: Entry 16 of 19

File: USPT

May 27, 1997

US-PAT-NO: 5633109

DOCUMENT-IDENTIFIER: US 5633109 A

TITLE: Ink compositions with liposomes containing photochromic compounds

DATE-ISSUED: May 27, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jennings; Carol A.	Etobicoke			CA
Breton; Marcel P.	Mississauga			CA
Isabella; MaryAnna	Mississauga			CA
Johnson; Eric G.	Plant City	FL		
Martin; Trevor I.	Burlington			CA
Oliver; John F.	Calgary			CA

US-CL-CURRENT: 430/115; 106/31.21, 106/31.32, 106/31.34, 106/31.47, 347/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KVMC

☐ 17. Document ID: US 5610163 A

L7: Entry 17 of 19

File: USPT

Mar 11, 1997

US-PAT-NO: 5610163

DOCUMENT-IDENTIFIER: US 5610163 A

TITLE: Esters of thienyl carboxylic acids and amino alcohols and their quaternization products

DATE-ISSUED: March 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Banholzer; Rolf	Ingelheim am Rhein			DE
Bauer; Rudolf	Wiesbaden			DE
Reichl; Richard	Ingelheim am Rhein			DE

US-CL-CURRENT: 514/291; 514/304, 546/125, 546/18, 546/91

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 18. Document ID: US 5552156 A

L7: Entry 18 of 19

File: USPT

Sep 3, 1996

US-PAT-NO: 5552156

DOCUMENT-IDENTIFIER: US 5552156 A

TITLE: Liposomal and micellular stabilization of camptothecin drugs

DATE-ISSUED: September 3, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burke; Thomas G.	Columbus	OH		

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 19. Document ID: US 4950432 A

L7: Entry 19 of 19

File: USPT

Aug 21, 1990

US-PAT-NO: 4950432

DOCUMENT-IDENTIFIER: US 4950432 A

TITLE: Polyene microlide pre-liposomal powders

DATE-ISSUED: August 21, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mehta; Reeta	Houston	TX		
Lopez-Berestein; Gabriel	Houston	TX		

US-CL-CURRENT: 264/4.6; 424/450, 424/502, 514/31, 514/37

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	K00C
Draw Desc	Image									

[Generate Collection](#)[Print](#)

Terms	Documents
L6 and carboxyl\$	19

Display Format:

-

[Change Format](#)[Previous Page](#)[Next Page](#)

WEST

Generate Collection

Print

L5: Entry 8 of 46

File: USPT

Aug 15, 2000

DOCUMENT-IDENTIFIER: US 6103259 A

TITLE: Process for the preparation of liposomes without the use of an organic solvent

Detailed Description Text (70):

2.5 g of Remcopal 121 and 0.8 g of cholesterol are placed in an erlenmeyer flask. 4 g of water are added, mixing is carried out and the mixture is then left standing for 2 to 3 hours at 65.degree. C. until the cholesterol has completely dissolved. The mixture is allowed to cool to room temperature. 10 g of Phospholipon 90P lecithin and 1 g of salicylic acid (Aldrich) are added. Mixing is carried out for a few minutes and 7 g of an aqueous solution containing 42 mg of a sodium salt of methyl para-hydroxybenzoate, 89 mg of a sodium salt of propyl para-phydroxybenzoate and 127 mg of 2-phenoxyethanol (Aldrich) are added dropwise. Mixing is carried out for a few minutes and the mixture is left standing for 24 h at 37.degree. C. This homogeneous paste can then be dispersed in water to form multilamellar liposomes containing salicylic acid. Separation by centrifuging and then quantitative determination makes it possible to show that more than 70% of the acid is contained in the capsules. The addition of a coloured indicator to the preparation makes it possible to show, on carrying out an acid/base titration, that the interior of the capsules is at a pH approximately 2 pH units lower than the outside.

Current US Original Classification (1):424/450

WEST**End of Result Set**

Generate Collection

Print

L3: Entry 2 of 2

File: USPT

Apr 1, 1997

DOCUMENT-IDENTIFIER: US 5616334 A

TITLE: Low toxicity drug-lipid systems

Brief Summary Text (13):

Proliposomes (lipid and drug coated onto a soluble carrier to form a granular material) comprising DMPC:DMPG, ergosterol, and amphotericin B have also been made (Payne et al., J. Pharm. Sci., 1986, 75:330-333).

Detailed Description Text (13):

Bioactive agents such as drugs may be used in the present invention. In the case of HDLCs, bioactive agents used are those that are hydrophobic; in the case of liposomes, the bioactive agents may be either hydrophobic or hydrophilic as liposomes entrap both types of agents. Such bioactive agents include but are not limited to the polyene antibiotics such as the anti-fungal agents pimarinic, candicidin, filipin, and preferably, nystatin and amphotericin B. Other bioactive agents that may be used include but are not limited to antibacterial compounds such as the antibacterial compounds such as the aminoglycosides, for example, gentamicin, antiviral compounds such as rifampacin, anti-parasitic compounds such as antimony derivatives, antineoplastic compounds such as vinblastine, vincristine, mitomycin C, doxorubicin, daunorubicin, methotrexate, and cisplatin, among others, proteins such as albumin, toxins such as diphtheria toxin, enzymes such as catalase, hormones such as estrogens, neurotransmitters such as acetylcholine, lipoproteins such as alpha-lipoprotein, glycoproteins such as hyaluronic acid, immunoglobulins such as IgG, immunomodulators such as the interferons or the interleukins, dyes such as Arsenazo III, radiolabels such as ¹⁴C, radio-opaque compounds such as ⁹⁹Tc, fluorescent compounds such as carboxy fluorescein, polysaccharides such as glycogen, cell receptor binding molecules such as estrogen receptor protein, nonsteroidal anti-inflammatories such as indomethacin, salicylic acid acetate, ibuprofen, sulindac, piroxicam, and naproxen; anti-inflammatories such as dexamethasone, antiglaucomic agents such as timolol or pilocarpine, anesthetics such as dibucaine, nucleic acids such as thymine, polynucleotides such as RNA polymers, cardiovascular agents such as alpha-blocker, beta-blocker, calcium channel blockers, AGE inhibitors, and the like, CNS agents and prostaglandins.

Other Reference Publication (23):

Payne, et al., "Characterization of Proliposomes", 1986; J. Pharm. Sci. 75:330-333.

WEST

Generate Collection

Print

L7: Entry 9 of 19

File: USPT

Sep 22, 1998

DOCUMENT-IDENTIFIER: US 5811119 A

TITLE: Formulation and use of carotenoids in treatment of cancer

Brief Summary Text (7):

There are additional difficulties in using a liposomal formulation of a retinoid for therapeutic purposes. For example, it is often desirable to store the composition in the form of a preliposomal powder, but many prior formulations are not satisfactory for such use, because they either contain an inadequate amount of retinoid, or they generate undesirable liposomes when they are reconstituted in aqueous solution.

Detailed Description Text (4):

Phosphatidyl glycerol, more particularly dimyristoyl phosphatidyl glycerol (DMPG), is not preferred for use in the present invention. In the carotenoid compositions of the present invention, the presence of DMPG correlates with the appearance of amorphous structures of anomalous size, which are believed to render the composition much less suitable for intravenous administration. When DMPG is omitted, the amorphous structures are not observed. The undesirable effects that are apparently caused by the presence of DMPG may result from the fact that DMPG has a negative charge, which may interact with the carboxylate of the carotenoid.

Detailed Description Text (7):

Prior to lyophilization, the carotenoid, lipids, and intercalation promoter agent can be dissolved in an organic solvent, such as t-butanol. Lyophilization to form a preliposomal powder can be performed using commercial apparatus which is known to persons skilled in this field. After lyophilization, the powder can be reconstituted as, e.g., liposomes, by adding a pharmaceutically acceptable carrier, such as sterile water, saline solution, or dextrose solution, with agitation, and optionally with the application of heat.

WEST**End of Result Set**☐ **Generate Collection** **Print**

L7: Entry 19 of 19

File: USPT

Aug 21, 1990

DOCUMENT-IDENTIFIER: US 4950432 A

TITLE: Polyene microlide pre-liposomal powders

Detailed Description Text (8):

In addition, other lipid-like substances such as steroids, cholesterol, aliphatic amines or acids such as long chain aliphatic amines or carboxylic acids, long chain sulfates and phosphates, dicetyl phosphate, butylated hydroxytoluene, tocopherol, and isoprenoid compounds may be intermixed with the phospholipid components to confer certain desired and known properties on the initial liposomes and hence the resultant liposomes. Further, synthetic phospholipids containing either altered aliphatic portions, such as hydroxyl groups, branched carbon chains, cycloderivatives, aromatic derivatives, ethers, amides, polyunsaturated derivatives, halogenated derivatives, or altered hydrophillic portions containing carbohydrate, glycol, phosphate, phosphonate, quaternary amine, sulfate, sulfonate, carboxy, amine, sulfhydryl, imidazole groups and combinations of such groups, can be either substituted or intermixed with the phospholipids.

Detailed Description Text (13):

A solution of 25 mg nystatin in 25 ml methanol was mixed with a solution of 175 dimyristoylphosphatidylcholine (DMPC) and 75 mg dimyristoylphosphatidylglycerol (DMPG) in 10 ml chloroform. The DMPC:DMPG ration was 7:3 and the nystatin:DMPC+DMPG ration was 1:10. The organic solvents were then evaporated at 40.degree. C. under partial vacuum in a rotary evaporator until a dried lipid film was formed. Thirty ml of 2:1 mixture of tertiary butanol and methylene chloride were added to dissolve the dried lipid film. The organic were then evaporated from the solution at 40.degree. C. and under partial vacuum to form a lipid residue. The lipid residue was dissolved in tertiary butanol and the solution passed through a 0.2 um filter. The nystatin concentration was measured from an aliquot of the filtrate. The filtrate was frozen by immersion of a container in dry ice-acetone. The frozen material was subjected to overnight lyophilization and a fine preliposomal nystatin powder produced.

WEST

Generate Collection

Print

L5: Entry 29 of 46

File: USPT

Dec 17, 1996

DOCUMENT-IDENTIFIER: US 5585109 A

TITLE: Cosmetic delivery system for salicylic acid and process for preparation of same

Abstract Text (1):

A cosmetic composition and salicylic acid delivery system includes membrane lipid bylayers formed as liposomes and un-neutralized salicylic acid localized within the lipidic bylayers of the liposomes. Other cosmetic ingredients may be located either within the membrane compartment or in either the external or internal aqueous compartments relative the liposomal bylayers. The composition also includes an organic, water-soluble membrane-impermeant base and water.

Brief Summary Text (17):

The Shroot et al. U.S. Pat. No. 5,151,534 relates to eicosenoid lipids and their application in pharmacy and cosmetics. These lipids may be formulated with salicylic acid and may be incorporated into liposomes.

Brief Summary Text (21):

The Dunphy et al. U.S. Pat. No. 5,085,856 relates to a formulation for a water-in-oil emulsion comprising phospholipids which may include liposomes, and, within the emulsion, salicylic acid.

Brief Summary Text (22):

The Weiner and Fielder U.S. Pat. No. 5,049,392 relates to a method of producing liposomes specifically via osmotic shock; the resultant liposomes may contain NSAID's including salicylic acid.

Brief Summary Text (23):

The Fountain U.S. Pat. No. 5,133,965 relates to a wound dressing comprised of liposomes generated by a solvent-dilution method; the resultant liposomes may contain salicylic acid.

Brief Summary Text (25):

It is therefore an object of the present invention to provide a liposomal composition, particularly a topical formulation, and a process for its preparation, that permits the generation of liposomes containing salicylic acid, that allows the adjustment of the pH of the external aqueous compartment to pH ranges approaching neutrality, and that ensures that the greater proportion of the salicylic acid in the formulation remains as the free acid.

Brief Summary Text (45):

The preferred method of manufacture involves extrusion under conditions of extremely high pressure generated by commercially available equipment such as the Microfluidizer (Microfluidics Corp., Newton, Mass.). The liposomes are produced in the presence of insoluble salicylic acid and the bilayer-forming lipids devoid of any organic bases or buffers. After production, the pH of the external aqueous compartment is adjusted with a membrane-impermeant organic base.

Drawing Description Text (3):

FIG. 1 represents a penetration study for salicylic acid recovered from skin strips of human panalists following application of liposomes containing salicylic acid.

Detailed Description Text (36):

FIG. 1 contrasts the penetration of salicylic acid into the epidermis of the volar forearm of human panelists. The degree of penetration was determined by HPLC analysis of solubilized Scotch Tape strips. A control comprised of a sodium stearate emulsion containing 10 percent salicylic acid was prepared. Both the experimental liposome and the control emulsion were diluted 1 to 10 in a gel of polymethacrylate and applied at equivalent sites. The figure reveals that the penetration of salicylic acid was facilitated by liposomal inclusion. The level of liposomal salicylic acid was found to be, and continued to be, safe, non-irritating, moisturizing product.

Detailed Description Paragraph Table (1):

Example 1 (Salicylic Acid Liposome) Phase
 Ingredient Parts by Weight _____ 1 Lecithin 1.0 1
 Water 83.0 2 Salicylic Acid 10.0 2 Phenonip 1.0 2 Vitamin E Acetate 1.0 3 Arginine 4.0 _____

Detailed Description Paragraph Table (2):

Example 2 (Moisturizing Liposome) Phase
 Ingredient Parts by Weight _____ 1 Lecithin 2.0 1
 Sitosterol 0.5 1 Water 84.5 1 Trehalose 1.0 1 NaPCA 1.0 2 Salicylic Acid 5.0 2
 Phenonip 1.0 2 Vitamin E Linoleate 1.0 2 Vitamin A Palmitate 1.0 3 Arginine 3.0 _____

Detailed Description Paragraph Table (3):

Example 3 (Anti-Acne Liposome) Phase
 Ingredient Parts by Weight _____ 1 Lecithin 2.0 1
 Cholesterol 0.3 1 Glycine 1.0 1 Resourcinol 0.1 1 Water 86.6 2 Salicylic Acid 5.0 2
 Chlorphenesin 2.5 3 Argine 2.5 _____

Detailed Description Paragraph Table (4):

Example 4 (Moisturing Liposome Gel) Phase
 Ingredient Parts by Weight _____ (a) Preproduct 1
 Lecithin 2.0 1 NaPCA 1.0 1 Glycine 1.0 1 Trehalose 1.0 1 Water 86.6 2 Salicylic Acid
 2.0 2 Chlorphenesin 2.5 3 Arginine 0.5 (b) Final Product 4 Butylene glycol 3.1 4
 Carbomer 941 0.3 _____

Current US Original Classification (1):

424/450

CLAIMS:

4. The cosmetic composition of claim 1, wherein less than about 2 percent of said salicylic acid exists intravesicular said liposomes, and less than about 2 percent of said salicylic acid exists extravesicular said liposomes.

9. A liposome delivery system for the containment and delivery of free salicylic acid, comprising:

salicylic acid;

liposome vesicles formed of lipidic bilayers, such that first environment is formed in a space surrounded by said bilayers and a second environment is formed in a space external to said bilayers,

water;

wherein substantially all said salicylic acid present in said system is present within said liposome vesicles and wherein a pH of said first environment may be maintained in a state which is distinct from that state of said second environment.

10. The liposome delivery system of claim 9, wherein substantially all of said salicylic acid is localized within said lipidic bilayers.

11. The liposome delivery system of claim 10, wherein greater than 95 percent of said salicylic acid resides in said lipidic bilayers.